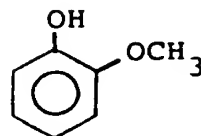
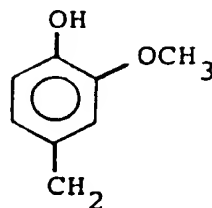
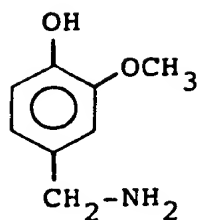
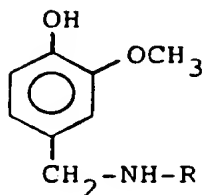
PHENOL  $C_6H_5OH$ FIG. 1ORTHO-METHOXYPHENOL  $CH_3OC_6H_4OH$ FIG. 2VANILLYL  $(CH_3O)(OH)C_6H_3-CH_2$ FIG. 325/P<sub>1</sub>

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3-METHOXY-4-HYDROXYBENZYLAMINE  $(\text{CH}_3\text{O})(\text{OH})\text{C}_6\text{H}_3-\text{CH}_2-\text{NH}_2$

FIG. 4

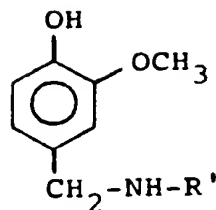


where R is an organic hydrocarbon group

VANILLYLAMIDE  $(\text{CH}_3\text{O})(\text{OH})\text{C}_6\text{H}_3-\text{CH}_2-\text{NH}-\text{R}$

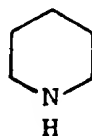
FIG. 5

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STRUCTURAL FORMULACAPSAICINOID

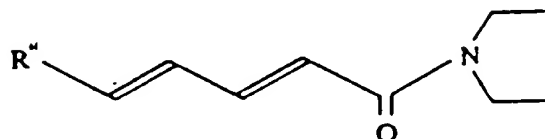
$R' - CO - (CH_2)_4 - CH = CH - CH - (CH_3)_2$	CAPSAICIN
$R' - CO - (CH_2)_6 - CH - (CH_3)_2$	DIHYDROCAPSAICIN
$R' - CO - (CH_2)_5 - CH - (CH_3)_2$	NORDIHYDROCAPSAICIN
$R' - CO - (CH_2)_9 - CH - (CH_3)_2$	HOMODIHYDROCAPSAICIN
$R' - CO - (CH_2)_5 - CH = CH - CH - (CH_3)_2$	HOMOCAPSAICIN
$R' - CO - (CH_2)_7 - CH_3$	NONANOIC ACID VANILLYLAMIDE
$R' - CO - (CH_2)_8 CH_3$	DECANOIC ACID VANILLYLAMIDE

## CAPSAICINOIDS

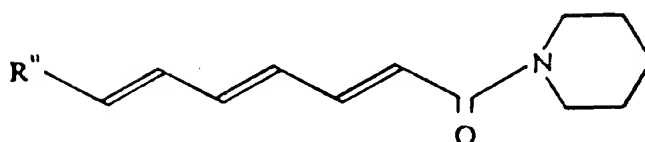
FIG. 6PIPERIDINE  $(CH_2)_5NH$ FIG. 7

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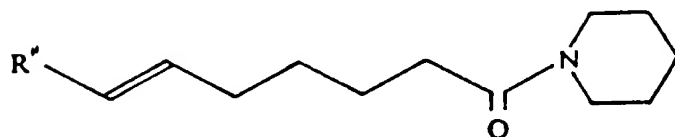
## PIPERINE



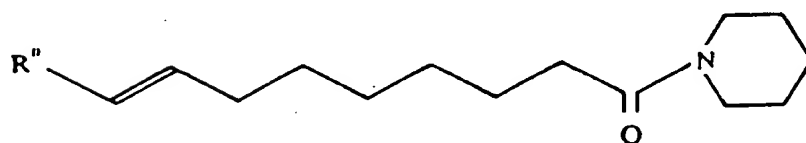
# PIPERYLINE



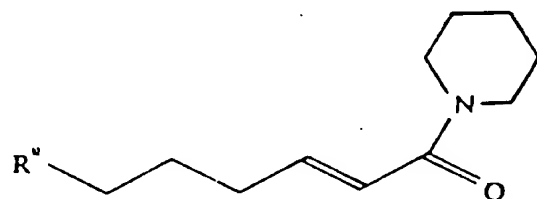
PIPERETTINE



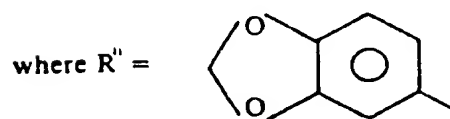
PIPEROLEIN A



PIPEROLEIN B



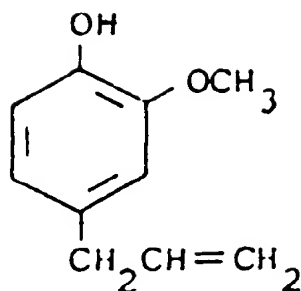
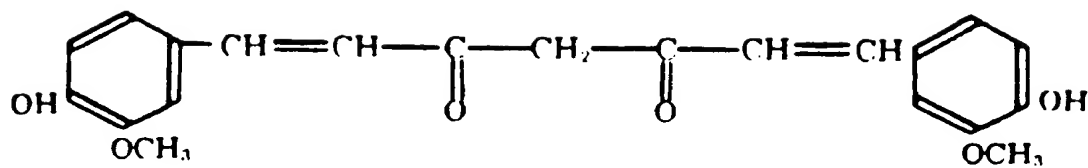
# PIPERANINE

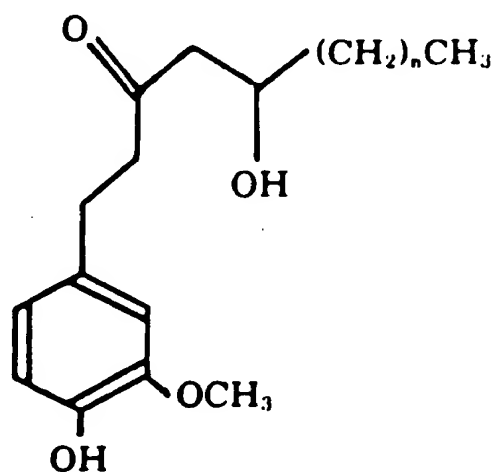


## PUNGENT ALKALOID PRINCIPALS OF PEPPER

**FIG. 8**

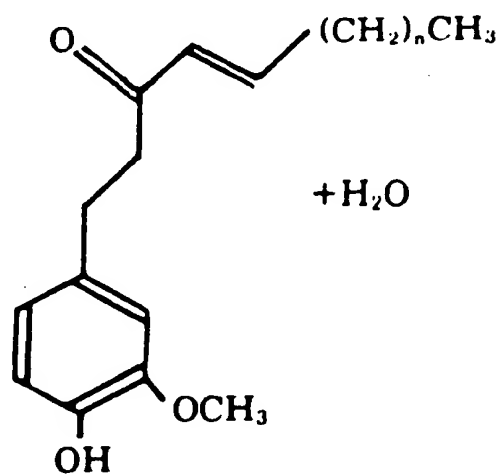
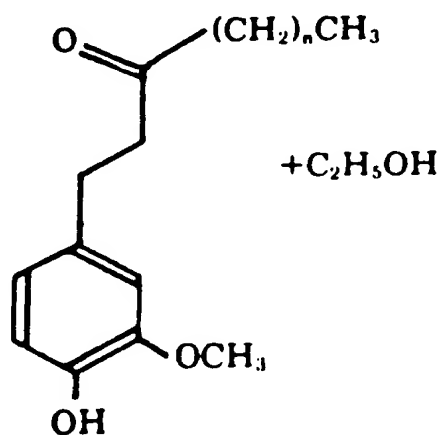
[illegible]

EUGENOL  $C_{10}H_{12}O_2$ FIG. 9CURCUMIN  $C_{21}H_{20}O_6$ FIG. 10

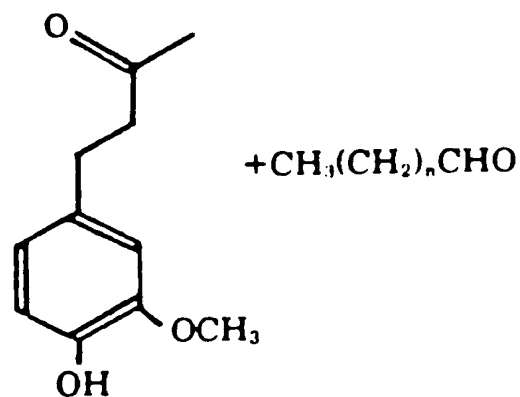


Gingerol

(where n = 4, 6, or 8)

+ H<sub>2</sub>OShogaol C<sub>17</sub>H<sub>24</sub>O<sub>3</sub>+ C<sub>2</sub>H<sub>5</sub>OH

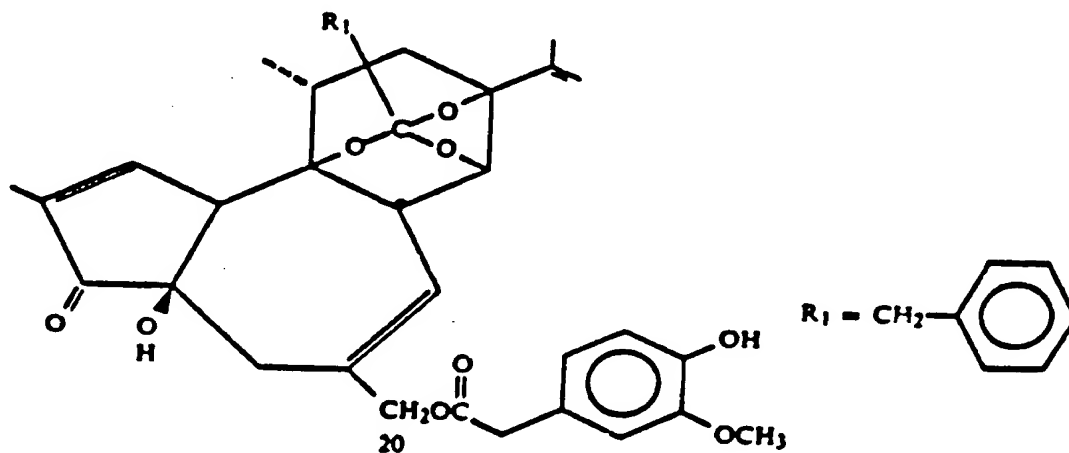
Paradol

+ CH<sub>3</sub>(CH<sub>2</sub>)<sub>n</sub>CHOZingerone C<sub>11</sub>H<sub>14</sub>O<sub>3</sub>

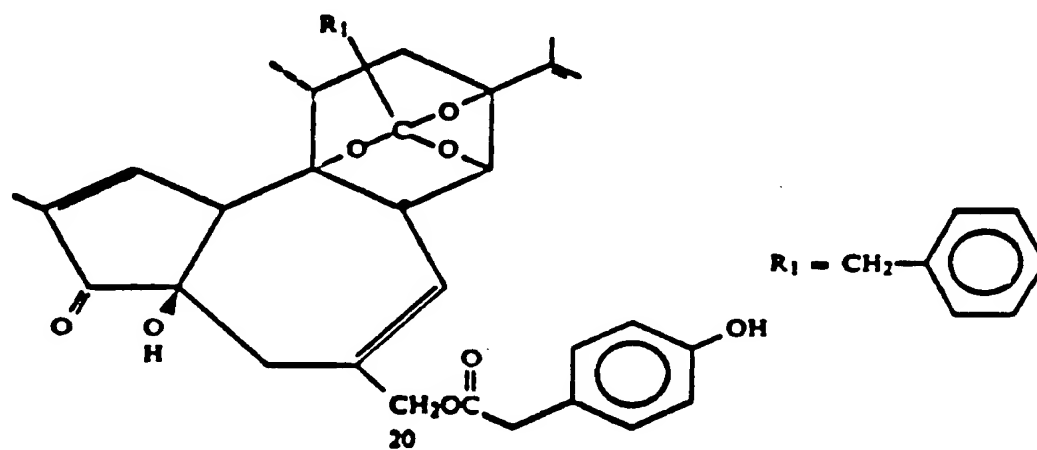
GINGEROLS

FIG. 11

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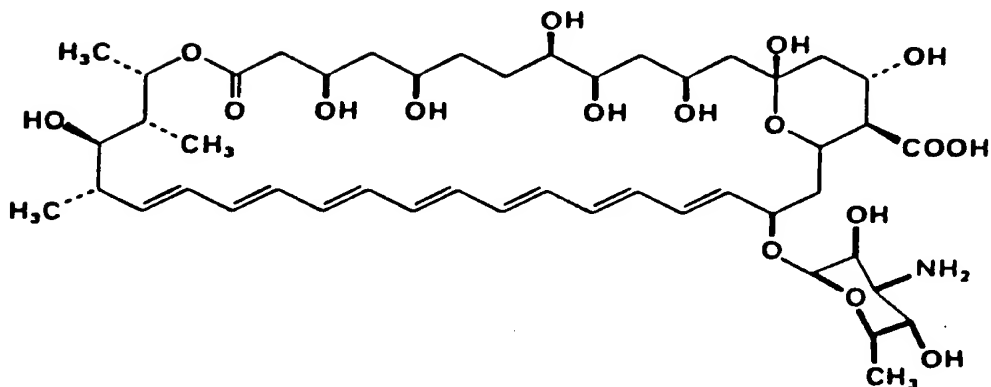
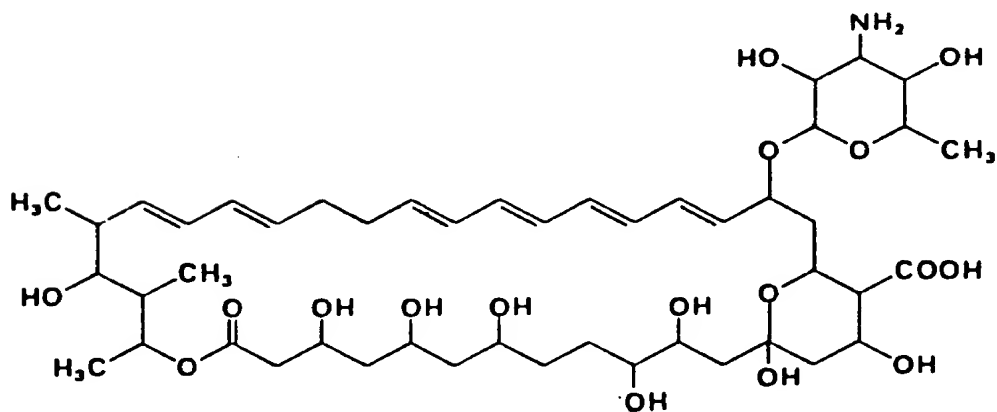
RESINIFERATOXIN

FIG. 12

TINYATOXIN

FIG. 13

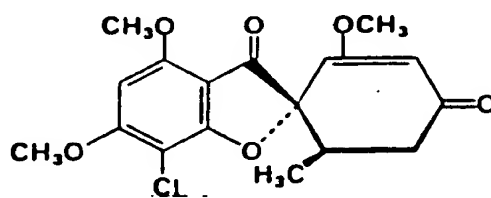
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AMPHOTERICIN B  $C_{47}H_{73}O_{17}N$ FIG. 14NYSTATIN  $C_{46}H_{83}O_{18}N$ FIG. 15

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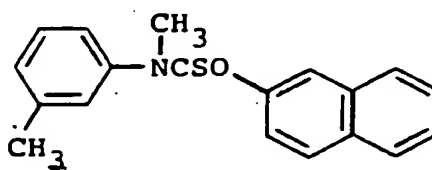


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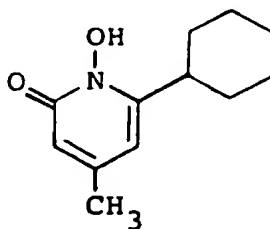
GRISEOFULVIN  $C_{17}H_{17}O_6Cl$

FIG. 16



TOLNAFTATE  $C_{19}H_{17}NOS$

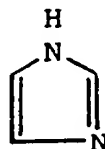
FIG. 17



CICLOPIROX  $C_{12}H_{17}NO_2-C_2H_7NO$

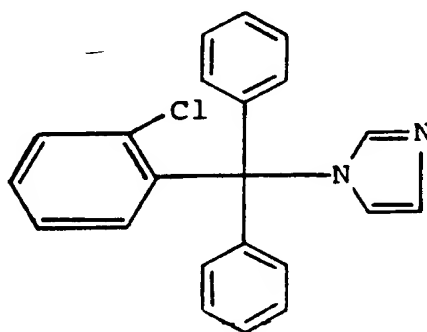
FIG. 18

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IMIDAZOLE  $C_3H_4N_2$

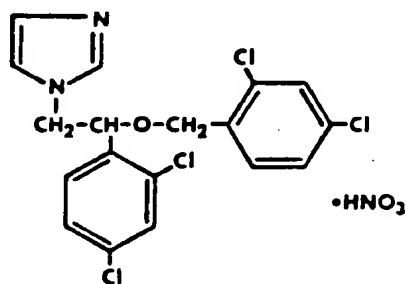
FIG. 19



CLOTRIMAZOLE  $C_{22}H_{17}N_2Cl$

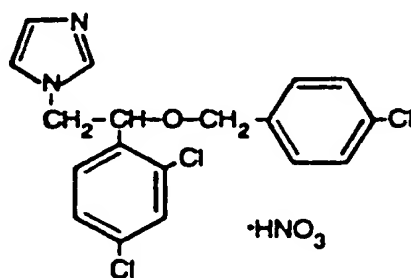
FIG. 20

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"DATED" 6848580



MICONAZOLE NITRATE  $\text{C}_{18}\text{H}_{14}\text{Cl}_4\text{N}_2\text{O}$

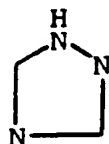
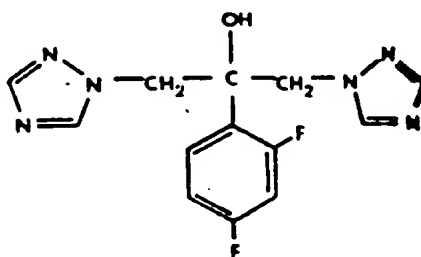
FIG. 21



ECONAZOLE NITRATE  $\text{C}_{18}\text{H}_{14}\text{Cl}_3\text{N}_2\text{O}$

FIG. 22

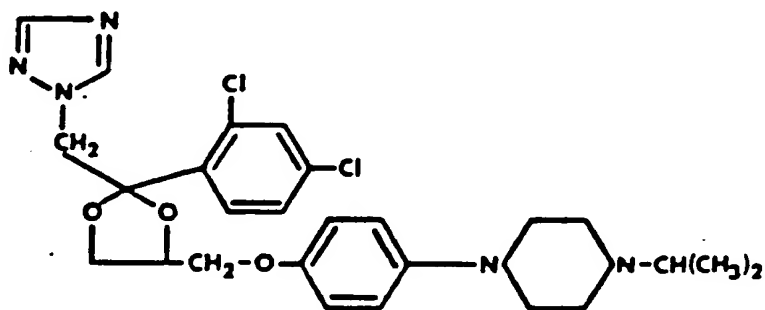
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TRIAZOLE  $C_2H_3N_3$ FIG. 23FLUCONAZOLE  $C_{13}H_{12}F_2N_6O$ FIG. 24

SUBSTITUTE SHEET

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TERCONAZOLE

FIG. 25

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